

AMENDMENTS TO THE CLAIMS:

Please replace the claims with the claims provided in the listing below wherein status, amendments, additions and cancellations are indicated.

1. - 6. (Canceled)

7. (New) Apparatus for transporting workpieces in a press, press-line, large component transfer press or simulator comprising at least one machining station and a respective upright member alongside each machining station, the workpieces being transported in a workpiece transport plane in a workpiece transport direction which carries the workpieces sequentially to, into and away from a machining station, each said transporting apparatus being vertically displaceably mounted on a respective one of said upright members, the transporting apparatus comprising

an articulated arm comprising first and second arm parts,

the first arm part having a first end at which the first arm part is pivotably mounted for pivoting about an axis perpendicular to the transport direction and parallel to and above the transport plane, and a second end, the second arm part being shorter than the first arm part and having a first end and a second end, the first end being pivotably mounted on the second end of the

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first arm part for pivoting about an axis perpendicular to the transport direction and parallel to and below the transport plane with the second end of the second arm part above the transport plane,

a cross member mounted at the second end of the second arm part and extending transversely of the transport direction, and

a regulatable lift device operatively connected to the articulated arm for moving the articulated arm vertically on the upright member.

8. (New) Apparatus according to claim 7, wherein the lift device comprises

a carriage at which the pivotable mounting of the first arm part at the first end thereof is located,

a pair of parallel vertical racks to which the carriage is operatively connected,

two pinions each engaging a respective one of the racks, and

two motors each connected to a respective one of the pinions for rotationally driving the pinions.

9. (New) Apparatus according to claim 7 or 8, further comprising

a toothed wheel rotatably mounted on the arm and wherein the racks engage the toothed wheel at diametrically opposed locations on the toothed wheel, whereby driving of the pinions in unison and/or selectively results in vertical movement and/or pivoting movements of the arm.

10. (New) Apparatus according to claim 7 or 8, further comprising means for regulating a first angle through which the first arm part pivots about the axis at the first end of the first arm part and a second angle through which the second arm part pivots about the axis at the first end of the second arm part so that the first angle is smaller than the second angle by a fixed ratio.

11. (New) Apparatus according to claim 7 or 8, further comprising a workpiece holder connected to the cross member, the cross member together with the workpiece holder being pivotably mounted at the second end of the second arm part,

a first regulatable drive, and

a transmission connecting the first regulatable drive to the cross member thereby to pivot the cross member together with the workpiece holder about an axis parallel to the transport plane and perpendicular to the transport direction.

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12. (New) Apparatus according to claim 11, further comprising
a second regulatable drive for changing attitude of the workpiece holder.